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Please hand carry to Examiner J. Gonzalez, Group Art Unit 2834

Title: MAGNETIC POLE POSITION DETECTOR FOR ROTOR
Inventor(s): Yuki NAKAJIMA Dkt. No. 040356/0354
Appl. No.: 09/778,759
Filed: 02/08/2001

- Amendment Transmittal (2 pages)
- Supplemental Amendment (4 pages)
- Check # 23432 in the amount of $294.00

Assistant Commissioner for Patents:

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Respectfully,
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RLS/MJC

Date Filed: September 5, 2002

Insp-M

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yuki NAKAJIMA

Title: MAGNETIC POLE POSITION DETECTOR FOR ROTOR

Appl. No.: 09/778,759

Filing Date: February 8, 2001

Examiner: Julio C. Gonzalez

Art Unit: 2834

SUPPLEMENTAL AMENDMENT

Commissioner of Patents
Washington, D.C. 20231

Sir:

Prior to continued examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS:

Please add the following new claims:

19. (New) A magnet pole position detector for a rotor that has a plurality of rotating magnets disposed on a circular periphery, the detector comprising:

plates of the same number as the magnets, the plates being made of a magnetic material, each of the plates being disposed on the rotor at a position along a circular path nearby a corresponding magnet and magnetized by leakage flux on the corresponding magnet; and

a magnetic sensor adapted to output a signal in response to a variation of a magnetic flux density on the circular path; wherein

the detector is configured such that the magnetic flux is concentrated on the ends of the plates.